Computer Networking (IT-230-501); T/TH, 1730-1845

Instructor: Jae Tyler / jaetyler@unm.edu
Office Room Number: Online
Instructor's Phone: 678-322-8016
Office Hours: After Each Class Session

Students will learn the fundamentals of network technology, technical concepts of network environments, identify the basic characteristics for local and wide area networks, list and describe the layers of the OSI networking model, list and identify the use of common network devices, describe the procedure for installing and configuring network adapters, list common network protocols, identify the best network protocol, describe the physical characteristics of a LAN, identify inter-network connectivity hardware by sight, define the roles of clients, servers, and peers on a network, list the most common network operating systems, identify potential network bottlenecks, and list fault tolerance procedures.

Important Dates:

- **Semester Length:** 18 Aug – 13 Dec
- **Last Day to Drop without "W":** 5 Sept, 5:00 PM Deadline
- **Last Day to Drop without Dean's Permission:** 7 Nov
- **Break & Holidays:**
    - **Labor Day:** 1 Sept
    - **Fall Break:** 9 – 10 Oct
    - **Thanksgiving Break:** 27 – 30 Nov

Course Objectives:

By the end of the course, students will:

1. Design, calculate, and apply subnet masks and addresses to fulfill given requirements in IPv4 and IPv6 networks
2. Explain fundamental Ethernet concepts, such as media, services, and operations
3. Describe the role of protocol layers in data networks
4. Describe the devices and services used to support communications in data networks and the Internet

ATTENDANCE POLICY: Attendance to these sessions, live or recorded, is mandatory and camera is required. Unless with instructor permission four missed weekly sessions will result in student being dropped.

Academic Integrity:
Having academic integrity is paramount to your success in any class. Plagiarism or cheating is not tolerated. Any instance of this will result in a grade of zero for that assignment.

Here is the link to the UNM Academic Dishonesty Policy: https://policy.unm.edu/regents-policies/section-4/4-8.html. The policy states: Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, up to and including dismissal, against any student who is found guilty of academic dishonesty or who otherwise fails to meet the expected standards. Any student judged to have engaged in academic dishonesty in course work may receive a reduced or failing grade for the work in question and/or for the course.

Academic Dishonesty is defined as:
"Academic dishonesty" includes, but is not limited to, dishonesty in quizzes, tests, or assignments; claiming credit for work not done or done by others; hindering the academic work of other students; misrepresenting academic or professional qualifications within or without the University; and nondisclosure or misrepresentation in filling out applications or other University records.

LIBRARY USAGE: Be sure to always check out the library if you feel you need additional reading materials. They are open for any order suggestions you may have.

STUDENTS WITH DISABILITIES: If you have a documented disability, the Equal Access Services office will provide me with a letter outlining your accommodation. I will then discuss the accommodation with you to determine the best learning environment. If you feel that you need accommodations, but have not documented your disability, please contact Jeanne Lujan, the coordinator for Equal Access Services at 925-8910.

EQUAL OPPORTUNITY AND NON-DISCRIMINATION
In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered "responsible employees" by the Department of Education (see page 15 - http://www2.ed.gov/about/offices/list/ocr/docs/qa-201404-title-ix.pdf). This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct and sexual violence made to a faculty member, TA,

or GA must be reported to the Title IX Coordinator at the Office of Equal Opportunity (oeo.unm.edu). For more information on the campus policy regarding sexual misconduct, see: https://policy.unm.edu/university-policies/2000/2740.html.

EMAIL: Be sure to check your contact information in Banner and keep it updated. UNM email as our official form of course communication. When communicating with your instructor always include class name in the subject header.